



Conforms to SANS 11014:2010 – South Africa

## SAFETY DATA SHEET

# Rislone CAT Complete

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Product identifier

*Trade name:* Rislone CAT Complete  
*Product no.:* 44720, 34720

#### Relevant identified uses of the substance or mixture and uses advised against

*Relevant identified uses of the substance or mixture:* Fuel additive  
*Uses advised against :* None known.

#### Details of the supplier of the safety data sheet

*Company and address:*  
**Rislone**  
P.O. Box 187  
Holly, MI 48442  
USA  
(810) 603-1321  
www.Rislone.com

*Distributor:*

*E-mail:* support@rislone.com  
*SDS date:* 27 May 2026  
*SDS Version:* 2.0  
*Date of previous version:* 04 March 2025 (1.0)

#### Emergency telephone number

ChemTel Inc.  
(800) 255-3924 (North America)  
+1 (813) 248-0585 (International)

999 / 112 Botswana Emergency Services

### SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

#### ▼ Classification of the substance or mixture

Flam. Liq. 4; H227, Combustible liquid  
Skin Irrit. 3; H316, Causes mild skin irritation  
Acute Tox. 3; H331, Toxic if inhaled.  
Aquatic Acute 3; H402, Harmful to aquatic life.



Conforms to SANS 11014:2010 – South Africa

Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

### Label elements

▼ *Hazard pictogram(s):*



▼ *Signal word:*

Danger

▼ *Hazard statement(s):*

Combustible liquid (H227)  
Causes mild skin irritation (H316)  
Toxic if inhaled. (H331)  
Harmful to aquatic life. (H402)  
Harmful to aquatic life with long lasting effects. (H412)

*Precautionary statement(s):*

▼ *General:*

If medical advice is needed, have product container or label at hand. (P101)  
Keep out of reach of children. (P102)

▼ *Prevention:*

Avoid breathing mist/vapour. (P261)  
Use only outdoors or in a well-ventilated area. (P271)

▼ *Response:*

IF INHALED: Remove person to fresh air and keep comfortable for breathing. (P304+P340)  
Specific treatment (see instructions on this label). (P321)

▼ *Storage:*

Store locked up. (P405)

*Disposal:*

Dispose of contents/container in accordance with local regulation (P501)

*Hazardous substances:*

2-butoxyethanol  
p-xylene;m-xylene;xylene;o-xylene  
Tricarbonyl(methylcyclopentadienyl)manganese

*Additional labelling:*

Not applicable.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Substances

Not applicable. This product is a mixture.

### Mixtures

| Product/substance                                                                                      | Identifiers                              | % w/w  | Classification    | Note |
|--------------------------------------------------------------------------------------------------------|------------------------------------------|--------|-------------------|------|
| Distillates (petroleum), hydrotreated light paraffinic;Baseoil - unspecified;[A complex combination of | CAS No.: 64742-55-8<br>EC No.: 265-158-7 | 25-40% | Asp. Tox. 1, H304 | [19] |



Conforms to SANS 11014:2010 – South Africa

|                                                                                                                                                                                                                                                                                                                                                                                 |                                          |       |                                                                                       |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------|---------------------------------------------------------------------------------------|------|
| hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]         |                                          |       |                                                                                       |      |
| 2-butoxyethanol                                                                                                                                                                                                                                                                                                                                                                 | CAS No.: 111-76-2<br>EC No.: 203-905-0   | 5-10% | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Acute Tox. 4, H332 |      |
| Distillates (petroleum), hydrotreated light;Kerosine - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 °C to 290 °C (302 °F to 554 °F).] | CAS No.: 64742-47-8<br>EC No.: 265-149-8 | 3-5%  | Asp. Tox. 1, H304                                                                     | [19] |
| Paraffins (petroleum), normal C5-20                                                                                                                                                                                                                                                                                                                                             | CAS No.: 64771-72-8<br>EC No.: 265-233-4 | 3-5%  | Asp. Tox. 1, H304                                                                     | [19] |
| p-xylene;m-xylene;xylene;o-xylene                                                                                                                                                                                                                                                                                                                                               | CAS No.: 1330-20-7<br>EC No.: 215-535-7  | 1-3%  | Flam. Liq. 3, H226<br>Acute Tox. 4, H312<br>Skin Irrit. 2, H315<br>Acute Tox. 4, H332 |      |



Conforms to SANS 11014:2010 – South Africa

|                                              |                                          |      |                                                                                                                                |      |
|----------------------------------------------|------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------|------|
| Solvent naphtha<br>(petroleum), light arom.  | CAS No.: 64742-95-6<br>EC No.: 265-199-0 | 1-3% | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Aquatic Chronic 2, H411                   | [19] |
| Tricarbonyl(methylcyclopentadienyl)manganese | CAS No.: 12108-13-3<br>EC No.: 235-166-5 | <1%  | Acute Tox. 3, H301<br>Acute Tox. 2, H310<br>Acute Tox. 1, H330<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 (M=1) |      |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

## SECTION 4: FIRST AID MEASURES

### ▼ Description of first aid measures

#### *General information:*

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact Tygerberg Poison Information Centre: 861 555 777 (24-hour service)  
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### ▼ *Inhalation:*

Upon breathing difficulties or irritation of the respiratory tract: Bring the injured person into fresh air. Make sure the injured person is continuously monitored. Prevent shock by keeping the injured person warm and calm. If breathing ceases, give mouth-to-mouth resuscitation. If unconscious, roll the injured person into recovery position. Call an ambulance.

#### ▼ *Skin contact:*

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical



Conforms to SANS 11014:2010 – South Africa

*Eye contact:*

advice/attention.

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

*Ingestion:*

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

*Burns:*

Not applicable.

**Most important symptoms and effects, both acute and delayed**

None known.

**▼ Indication of any immediate medical attention and special treatment needed**

IF exposed or concerned:

Get immediate medical advice/attention.

**Information to medics**

Bring this safety data sheet or the label from this product.

## SECTION 5: FIRE-FIGHTING MEASURES

**Extinguishing media**

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

**Special hazards arising from the substance or mixture**

Combustible liquid

In use may form flammable/explosive vapour-air mixture.

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

**Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact Tygerberg Poison Information Centre (tel: 861 555 777) to obtain further advice.

## SECTION 6: ACCIDENTAL RELEASE MEASURES



Conforms to SANS 11014:2010 – South Africa

#### ▼ Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.  
Ensure adequate ventilation, especially in confined areas.  
Avoid inhalation of vapours from spilled material.  
Contaminated areas may be slippery.

#### Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

#### ▼ Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

#### Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

### SECTION 7: HANDLING AND STORAGE

#### ▼ Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

Avoid direct contact with the product.

Avoid contact during pregnancy and while nursing.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

#### ▼ Conditions for safe storage, including any incompatibilities

Store locked up. A sign warning of toxic materials shall be affixed the room and cupboard containing the product(s).

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

*Recommended storage material:*

Properly labeled containers

*Storage conditions:*

Dry, cool and well ventilated

Tightly closed container

*Incompatible materials:*

heat, sparks, flame, and other sources of ignition

Combustible materials

#### Specific end use(s)

This product should only be used for applications quoted in section 1.2.

### SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### Control parameters

2-butoxyethanol

Long term exposure limit (8 hours) (ppm): 40 (Max. limit)



Conforms to SANS 11014:2010 – South Africa

p-xylene;m-xylene;xylene;o-xylene

Short term exposure limit (15 minutes) (ppm): 300

Long term exposure limit (8 hours) (ppm): 200

Annotations:

SKIN = Danger of cutaneous absorption. Refers to the potential significant contribution to the overall exposure by the cutaneous route including mucous membranes and the eyes by contact with vapours, liquids and solids. Overexposure may also occur following dermal contact with liquids and aerosols, even when airborne exposures at-/or below the OEL.

ethylbenzene

Long term exposure limit (8 hours) (ppm): 40

Annotations:

CARC = The substance is carcinogenic based on IARC categorisation including category 1A, 1B and Category 2

SKIN = Danger of cutaneous absorption. Refers to the potential significant contribution to the overall exposure by the cutaneous route including mucous membranes and the eyes by contact with vapours, liquids and solids. Overexposure may also occur following dermal contact with liquids and aerosols, even when airborne exposures at-/or below the OEL.

Tricarbonyl(methylcyclopentadienyl)manganese

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 0.4

Annotations:

SKIN = Danger of cutaneous absorption. Refers to the potential significant contribution to the overall exposure by the cutaneous route including mucous membranes and the eyes by contact with vapours, liquids and solids. Overexposure may also occur following dermal contact with liquids and aerosols, even when airborne exposures at-/or below the OEL.

Regulations for Hazardous Chemical Agents  
(2021)



2-butoxyethanol

| Duration:                                          | Route of exposure: | DNEL:                  |
|----------------------------------------------------|--------------------|------------------------|
| Long term – Systemic effects - General population  | Inhalation         | 59 mg/m <sup>3</sup>   |
| Long term – Systemic effects - Workers             | Inhalation         | 98 mg/m <sup>3</sup>   |
| Short term – Local effects - General population    | Inhalation         | 147 mg/m <sup>3</sup>  |
| Short term – Local effects - Workers               | Inhalation         | 246 mg/m <sup>3</sup>  |
| Short term – Systemic effects - General population | Inhalation         | 426 mg/m <sup>3</sup>  |
| Short term – Systemic effects - Workers            | Inhalation         | 1091 mg/m <sup>3</sup> |
| Long term – Systemic effects - General population  | Oral               | 6.3 mg/kg bw/day       |
| Short term – Systemic effects - General population | Oral               | 26.7 mg/kg bw/day      |

Distillates (petroleum), hydrotreated light paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100



Conforms to SANS 11014:2010 – South Africa

°F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]

| <b>Duration:</b>                                  | <b>Route of exposure:</b> | <b>DNEL:</b>           |
|---------------------------------------------------|---------------------------|------------------------|
| Long term – Systemic effects - Workers            | Dermal                    | 970 µg/kg bw/day       |
| Long term – Local effects - General population    | Inhalation                | 1.19 mg/m <sup>3</sup> |
| Long term – Local effects - Workers               | Inhalation                | 5.58 mg/m <sup>3</sup> |
| Long term – Systemic effects - Workers            | Inhalation                | 2.73 mg/m <sup>3</sup> |
| Long term – Systemic effects - General population | Oral                      | 740 µg/kg bw/day       |

ethylbenzene

| <b>Duration:</b>                                  | <b>Route of exposure:</b> | <b>DNEL:</b>          |
|---------------------------------------------------|---------------------------|-----------------------|
| Long term – Systemic effects - Workers            | Dermal                    | 180 mg/kg bw/day      |
| Long term – Local effects - Workers               | Inhalation                | 442 mg/m <sup>3</sup> |
| Long term – Systemic effects - General population | Inhalation                | 15 mg/m <sup>3</sup>  |
| Long term – Systemic effects - Workers            | Inhalation                | 77 mg/m <sup>3</sup>  |
| Short term – Local effects - Workers              | Inhalation                | 293 mg/m <sup>3</sup> |
| Long term – Systemic effects - General population | Oral                      | 1.6 mg/kg bw/day      |

p-xylene;m-xylene;xylene;o-xylene

| <b>Duration:</b>                                   | <b>Route of exposure:</b> | <b>DNEL:</b>           |
|----------------------------------------------------|---------------------------|------------------------|
| Long term – Systemic effects - General population  | Dermal                    | 125 mg/kg bw/day       |
| Long term – Systemic effects - Workers             | Dermal                    | 212 mg/kg bw/day       |
| Long term – Local effects - General population     | Inhalation                | 65.3 mg/m <sup>3</sup> |
| Long term – Local effects - Workers                | Inhalation                | 221 mg/m <sup>3</sup>  |
| Long term – Systemic effects - General population  | Inhalation                | 65.3 mg/m <sup>3</sup> |
| Long term – Systemic effects - Workers             | Inhalation                | 221 mg/m <sup>3</sup>  |
| Short term – Local effects - General population    | Inhalation                | 260 mg/m <sup>3</sup>  |
| Short term – Local effects - Workers               | Inhalation                | 442 mg/m <sup>3</sup>  |
| Short term – Systemic effects - General population | Inhalation                | 260 mg/m <sup>3</sup>  |
| Short term – Systemic effects - Workers            | Inhalation                | 442 mg/m <sup>3</sup>  |
| Long term – Systemic effects - General population  | Oral                      | 5 mg/kg bw/day         |

Solvent naphtha (petroleum), light arom.

| <b>Duration:</b>                                  | <b>Route of exposure:</b> | <b>DNEL:</b>              |
|---------------------------------------------------|---------------------------|---------------------------|
| Long term – Local effects - General population    | Inhalation                | 178.57 mg/m <sup>3</sup>  |
| Long term – Local effects - Workers               | Inhalation                | 837.5 mg/m <sup>3</sup>   |
| Long term – Systemic effects - General population | Inhalation                | 410 µg/m <sup>3</sup>     |
| Long term – Systemic effects - Workers            | Inhalation                | 1.9 mg/m <sup>3</sup>     |
| Short term – Local effects - General population   | Inhalation                | 640 mg/m <sup>3</sup>     |
| Short term – Local effects - Workers              | Inhalation                | 1066.67 mg/m <sup>3</sup> |



Conforms to SANS 11014:2010 – South Africa

|                                                    |            |                          |
|----------------------------------------------------|------------|--------------------------|
| Short term – Systemic effects - General population | Inhalation | 1152 mg/m <sup>3</sup>   |
| Short term – Systemic effects - Workers            | Inhalation | 1286.4 mg/m <sup>3</sup> |

#### Tricarbonyl(methylcyclopentadienyl)manganese

| Duration:                                         | Route of exposure: | DNEL:                 |
|---------------------------------------------------|--------------------|-----------------------|
| Long term – Systemic effects - General population | Dermal             | 62 µg/kg bw/day       |
| Long term – Systemic effects - Workers            | Dermal             | 110 µg/kg bw/day      |
| Long term – Systemic effects - General population | Inhalation         | 110 µg/m <sup>3</sup> |
| Long term – Systemic effects - Workers            | Inhalation         | 600 µg/m <sup>3</sup> |

### ▼ PNEC

#### 2-butoxyethanol

| Route of exposure:                | Duration of Exposure: | PNEC:      |
|-----------------------------------|-----------------------|------------|
| Freshwater                        |                       | 8.8 mg/L   |
| Freshwater sediment               |                       | 34.6 mg/kg |
| Intermittent release (freshwater) |                       | 26.4 mg/L  |
| Marine water                      |                       | 880 µg/L   |
| Marine water sediment             |                       | 3.46 mg/kg |
| Predators                         |                       | 20 mg/kg   |
| Sewage treatment plant            |                       | 463 mg/L   |
| Soil                              |                       | 2.33 mg/kg |

Distillates (petroleum), hydrotreated light paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]

| Route of exposure: | Duration of Exposure: | PNEC:      |
|--------------------|-----------------------|------------|
| Predators          |                       | 9.33 mg/kg |

#### ethylbenzene

| Route of exposure:                | Duration of Exposure: | PNEC:       |
|-----------------------------------|-----------------------|-------------|
| Freshwater                        |                       | 100 µg/L    |
| Freshwater sediment               |                       | 13.7 mg/kg  |
| Intermittent release (freshwater) |                       | 100 µg/L    |
| Marine water                      |                       | 10-100 µg/L |
| Marine water sediment             |                       | 1.37 mg/kg  |
| Predators                         |                       | 20 mg/kg    |
| Sewage treatment plant            |                       | 9.6 mg/L    |
| Soil                              |                       | 2.68 mg/kg  |

#### p-xylene;m-xylene;xylene;o-xylene

| Route of exposure: | Duration of Exposure: | PNEC:       |
|--------------------|-----------------------|-------------|
| Freshwater         |                       | 44-327 µg/L |



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|                                     |  |                  |
|-------------------------------------|--|------------------|
| Freshwater sediment                 |  | 2.52-12.46 mg/kg |
| Intermittent release (freshwater)   |  | 10-327 µg/L      |
| Intermittent release (marine water) |  | 1 µg/L           |
| Marine water                        |  | 4.4-327 µg/L     |
| Marine water sediment               |  | 252-12460 µg/kg  |
| Sewage treatment plant              |  | 1.6-6.58 mg/L    |
| Soil                                |  | 852-2310 µg/kg   |

#### Tricarbonyl(methylcyclopentadienyl)manganese

| Route of exposure:                | Duration of Exposure: | PNEC:    |
|-----------------------------------|-----------------------|----------|
| Freshwater                        |                       | 210 ng/L |
| Intermittent release (freshwater) |                       | 2.1 µg/L |
| Marine water                      |                       | 21 ng/L  |
| Soil                              |                       | 16 µg/kg |

### Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

#### *General recommendations:*

Smoking, drinking and consumption of food is not allowed in the work area.

#### *Exposure scenarios:*

There are no exposure scenarios implemented for this product.

#### *Exposure limits:*

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

#### *Appropriate technical measures:*

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Apply standard precautions during use of the product. Avoid inhalation of vapours.

#### *Hygiene measures:*

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

#### *Measures to avoid environmental exposure:*

Keep damming materials near the workplace. If possible, collect spillage during work.

### Individual protection measures, such as personal protective equipment

#### ▼ *Generally:*

Use only CE marked protective equipment.

#### *Respiratory Equipment:*

No specific requirements

*Skin protection:*

| Recommended                                                                                                      | Type/Category | Standards |                                                                                     |
|------------------------------------------------------------------------------------------------------------------|---------------|-----------|-------------------------------------------------------------------------------------|
| Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester. | -             | -         |  |

*Hand protection:*

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards |                                                                                     |
|----------|----------------------|--------------------------|-----------|-------------------------------------------------------------------------------------|
| Gloves   | -                    | -                        | EN374     |  |

*Eye protection:*

| Type                         | Standards                    |  |
|------------------------------|------------------------------|--|
| Tight sealing safety goggles | Tight sealing safety goggles |  |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                                    |                    |
|------------------------------------|--------------------|
| <i>Form:</i>                       | Liquid             |
| <i>Colour:</i>                     | Brown              |
| <i>Odour:</i>                      | Petroleum-like     |
| <i>Odour threshold (ppm):</i>      | No data available. |
| <i>pH:</i>                         | No data available. |
| <i>Density (g/cm<sup>3</sup>):</i> | -                  |
| <i>Relative density:</i>           | 0,81               |
| <i>Kinematic viscosity:</i>        | No data available  |
| <i>Dynamic viscosity:</i>          | 23.4 mPa.s         |

### Particle characteristics

Does not apply to liquids.

### Phase changes

|                                                 |                    |
|-------------------------------------------------|--------------------|
| <i>Melting point (°C):</i>                      | No data available  |
| <i>Boiling point (°C):</i>                      | No data available  |
| <i>Vapour pressure:</i>                         | No data available  |
| <i>Relative vapour density:</i>                 | No data available. |
| <i>Decomposition temperature (°C):</i>          | No data available  |
| <i>Evaporation rate (n-butylacetate = 100):</i> |                    |

### Data on fire and explosion hazards



Conforms to SANS 11014:2010 – South Africa

|                                        |                    |
|----------------------------------------|--------------------|
| <i>Flash point (°C):</i>               | 67                 |
| <i>Flammability (°C):</i>              | No data available  |
| <i>Auto-ignition temperature (°C):</i> | No data available  |
| <i>Explosion limits (% v/v):</i>       | No data available. |

### **Solubility**

|                                              |                    |
|----------------------------------------------|--------------------|
| <i>Solubility in water:</i>                  | Insoluble          |
| <i>n-octanol/water coefficient (LogKow):</i> | No data available. |
| <i>Solubility in fat (g/L):</i>              | No data available. |

### **Other information**

|                                                |                    |
|------------------------------------------------|--------------------|
| <i>Other physical and chemical parameters:</i> | No data available. |
| <i>Oxidizing properties:</i>                   | No data available. |

## **SECTION 10: STABILITY AND REACTIVITY**

### **Reactivity**

No data available.

### **Chemical stability**

The product is stable under the conditions, noted in section 7 "Handling and storage".

### **Possibility of hazardous reactions**

None known.

### **Conditions to avoid**

Heat, flames, and sparks

### **Incompatible materials**

heat, sparks, flame, and other sources of ignition  
Combustible materials

### **Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **Information on toxicological effects**

#### **▼ Acute toxicity**

Toxic if inhaled.

### **Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

### **Serious eye damage/irritation**

Based on available data, the classification criteria are not met.

### **Respiratory sensitisation**

Based on available data, the classification criteria are not met.

### **Skin sensitisation**



Conforms to SANS 11014:2010 – South Africa

Based on available data, the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Long term effects**

None known.

**Other information**

2-butoxyethanol has been classified by IARC as a group 3 carcinogen.

p-xylene;m-xylene;xylene;o-xylene has been classified by IARC as a group 3 carcinogen.

ethylbenzene has been classified by IARC as a group 2B carcinogen.

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity**

Harmful to aquatic life with long lasting effects.

**Persistence and degradability**

Based on available data, the classification criteria are not met.

**Bioaccumulative potential**

Based on available data, the classification criteria are not met.

**Mobility in soil**

No data available.

**Results of PBT and vPvB assessment**

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

**Other adverse effects**

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

**▼ Waste treatment methods**

Waste should be classified as hazardous (Class 6 - Toxic and Infectious Materials)



Conforms to SANS 11014:2010 – South Africa

## Specific labelling

### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: TRANSPORT INFORMATION

|      | 14.1<br>UN / ID | 14.2<br>UN proper shipping name | 14.3<br>Hazard class(es) | 14.4<br>PG* | 14.5<br>Env** | Other<br>informat<br>ion: |
|------|-----------------|---------------------------------|--------------------------|-------------|---------------|---------------------------|
| ADR  | -               | -                               | -                        | -           | -             | -                         |
| IMDG | -               | -                               | -                        | -           | -             | -                         |
| IATA | -               | -                               | -                        | -           | -             | -                         |

\* Packing group

\*\* Environmental hazards

### ▼ Additional information

Not dangerous goods according to ADR, IATA and IMDG.

Although this product is environmentally hazardous, the environmentally hazardous substance mark has been omitted as the product is supplied in packaging with a maximum quantity of 5 L / 5 kg.

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### Special precautions for user

Not applicable.

### Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

## SECTION 15: REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

*Restrictions for application:*

People under the age of 18 shall not be exposed to this product.  
Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

*Demands for specific education:*

No specific requirements.

▼ *Additional information:*

Tactile warning.

If this product is sold in retail, it must be delivered with child-resistant fastening.

*Sources:*

National Environmental Management: Waste Act 2008 (Act no. 59 of 2008)

Waste Classification and Management



Conforms to SANS 11014:2010 – South Africa

Regulations  
Minimum Requirements for the Handling,  
Classification and Disposal of Hazardous  
Waste (MRHW)  
SANS 10234 : 1.01ED 2008 GLOBALLY  
HARMONIZED SYSTEM OF CLASSIFICATION  
AND LABELLING OF CHEMICALS (GHS)

## **Chemical safety assessment**

No

## **SECTION 16: OTHER INFORMATION**

### **Full text of H-phrases as mentioned in section 3**

H226, Flammable liquid and vapour.  
H301, Toxic if swallowed.  
H302, Harmful if swallowed.  
H304, May be fatal if swallowed and enters airways.  
H310, Fatal in contact with skin.  
H312, Harmful in contact with skin.  
H315, Causes skin irritation.  
H319, Causes serious eye irritation.  
H330, Fatal if inhaled.  
H332, Harmful if inhaled.  
H336, May cause drowsiness or dizziness.  
H400, Very toxic to aquatic life.  
H410, Very toxic to aquatic life with long lasting effects.  
H411, Toxic to aquatic life with long lasting effects.

### **The full text of identified uses as mentioned in section 1**

None known.

### **Abbreviations and acronyms**

ACGIH = American Conference of Governmental Industrial Hygienists  
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CERCLA = Comprehensive Environmental Response Compensation and Liability Act  
DOT = Department of Transportation  
EINECS = European Inventory of Existing Commercial chemical Substances  
EPCRA = Emergency Planning and Community Right-To-Know Act  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
HCIS = Hazardous Chemical Information System  
HNOC = Hazards Not Otherwise Classified  
IARC = International Agency for Research on Cancer  
IATA = International Air Transport Association  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient



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MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
NFPA = National Fire Protection Association  
NIOSH = National Institute for Occupational Safety and Health  
OECD = Organisation for Economic Co-operation and Development  
OSHA = Occupational Safety and Health Administration  
PBT = Persistent, Bioaccumulative and Toxic  
RCRA = Resource Conservation and Recovery Act  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SARA = Superfund Amendments and Reauthorization Act  
SCL = A specific concentration limit.  
STEL = Short-term exposure limits  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TSCA = The Toxic Substances Control Act  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### ▼ Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by SANS 10234

The classification of the mixture in regard of environmental hazards are in accordance with the calculation methods given by SANS 10234

#### The safety data sheet is validated by

NL

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product.

Information in this safety data sheet cannot be used as a product specification.

Country-language: ZA-en